# United States Joint Forces Command
# Joint Experimentation Directorate

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# Fact Sheet – Joint Interactive Planning (JIP)

## A Functional National Defense Concept

### What is Joint Interactive Planning (JIP)?

Traditionally, planning and execution have progressed in a distinct, structured, hierarchical sequential manner. Now however, the JIP concept seeks to establish a parallel planning process involving virtual collaboration among a CINC headquarters, the Standing Joint Command and Control Element, Joint Force staffs, the components, allies, interagency participants and other organizations. This joint interactive planning will use distributed collaboration tools to provide the required simultaneous communication lines.

The concept envisions a rich collaborative information environment of common shared access to timely, fused, accurate, and relevant information, and decision support tools that will enable rapid course of action analysis and utilization of the information. The result is a common shared awareness, unity of effort, a better understanding of the commander's intent and shorter decision cycles – impacting all aspects of the observe, orient, decide, act (OODA) loop.

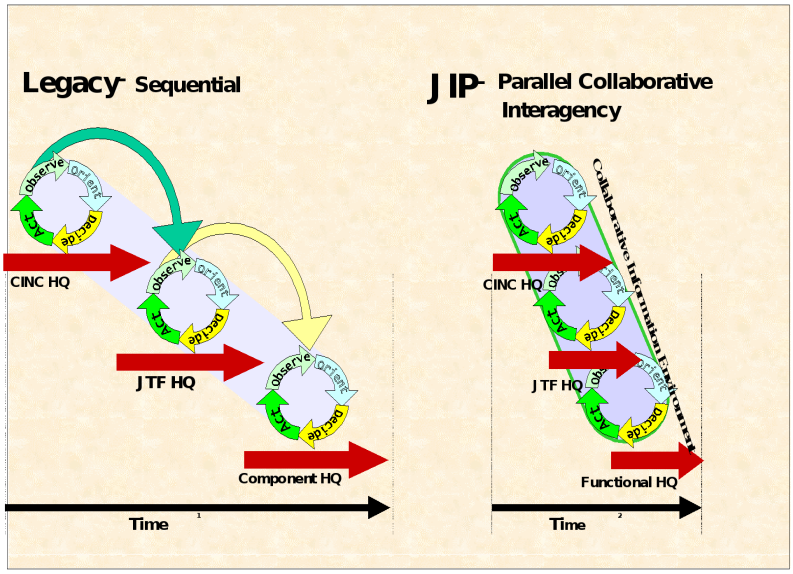
### Why JIP Now?

Information technology has already significantly changed the world in which military forces must operate. This technology, when combined with innovative organizational change and business processes, can profoundly revolutionize how a joint force commander plans and executes assigned missions. JIP, as an interface between information superiority and command and control, is critical in order to realize the new operational concepts such as dominant maneuver, precision engagement, full dimensional protection, and focused logistics.

### How did we get here?

In the past, plans and orders were developed with restricted collaboration among participants and a limited ability to share [illegible] partners. The OODA loop for planning took a one-step-at-a-time journey through a daisy chain of hierarchical organizations and decision cycles. Planning was sequential, linear and time consuming.

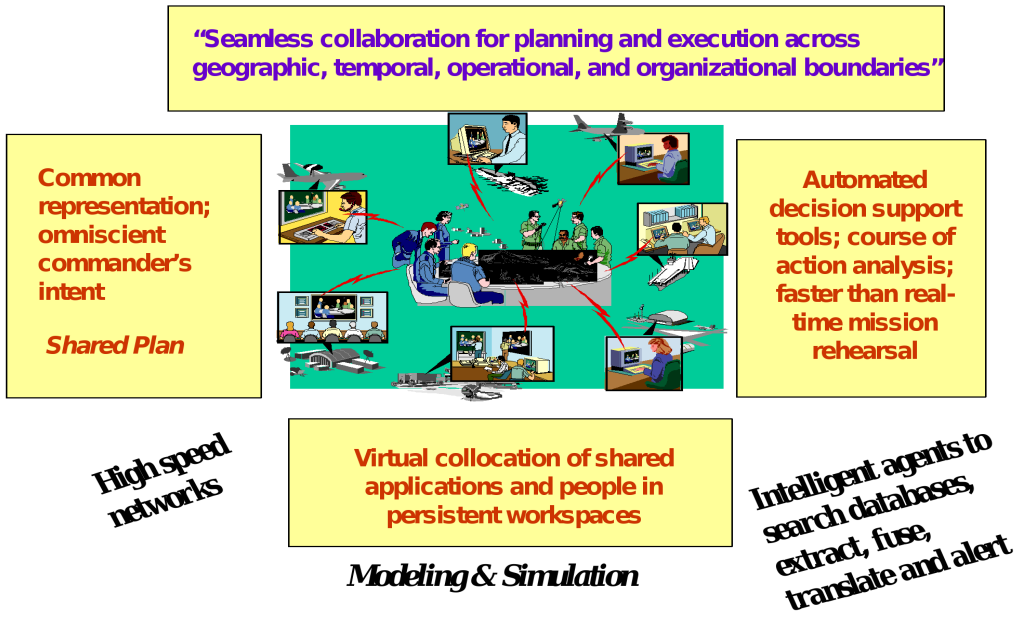
Today, information technology is being added to planning systems. Without any associated doctrinal, organizational, and process developments such as JIP, today's information technologies will merely be patched onto old processes. "Patching on" will produce incremental gains. *The leap-ahead competitive advantage envisioned for the future will only come*




***Changing the Way We Plan***

**JIP enables common shared awareness across echelons, unity of effort, more rapid decision cycles and better informed courses of action**

# Fact sheet continued: Joint Interactive Planning_


"Seamless collaboration for planning and execution across geographic, temporal, operational, and organizational boundaries"
Common representation; omniscient commander's intent
Shared Plan
Automated decision support tools; course of action analysis; faster than real-time mission rehearsal
High speed networks
Virtual collocation of shared applications and people in persistent workspaces
Intelligent agents to search databases, extract, fuse, translate and alert
Modeling & Simulation

**The tools of Joint Interactive Planning**

## How does JIP work?

JIP uses Common Relevant Operational Picture (CROP) information to develop joint force structure and deployment planning. It leverages the latest technology advances in information and decision-support systems.

For example, software intelligent agents have been created to search databases (provided by the CROP) to find the information needed to support planning and execution. This information will be extracted, fused, and translated to make it useful to mission planners. These same software agents will alert decision makers at all levels when new, relevant information is available. Modeling and simulation decision-support tools will allow planners at all levels to analyze alternatives rapidly.

In the JIP environment, responsive, accurate application of updated mission information is provided to the core planning team and extended partners. In peacetime, this allows the planners to continuously refine and amplify the operational net assessment and to produce up-to-date contingency plans. Planning information is "pushed" electronically to higher, lower, adjacent, and supporting organizations so that all related plans are updated automatically.

## What's next?

Future LOEs and field experiments will explore emerging technologie
planning processes that will be used during Millennium Challenge 2002
An Effects Tasking Order (ETO)-to-Action LOE has been scheduled to exa
Based Planning Process, supporting concepts of employment, and tactic
procedures (TTPs) of a JTF HQ and Functional Component Commanders.
and test the Effects Based Planning collaboration processes and tools th
MC02. Determining the best combination of technology, organizational
information management processes to support operationalizing the JIP c
primary near-term experimentation focus.

## Fact File

**Key JIP concept experimentation issues to be addressed in future events include:**

- Collaborative planning process
- Joint planning tools
- Decision aids
- Artificial Intelligence
- Modeling and simulation
- Information assurance
- Multi-Level security
- Intelligent search agent technology
- Networked experts to support collaborative COA analysis
- Real-time interactive connectivity with subordinates, peers, and superiors
- Integrated battlespace picture
- Interoperability